



Email : [sales@laboratoryinstrumentindia.com](mailto:sales@laboratoryinstrumentindia.com)

**Product Name :**  
Computerized Low Temperature Refrigeration Unit

**Product Code :**  
LBNY-0005-11700027



[www.laboratoryinstrumentindia.com](http://www.laboratoryinstrumentindia.com)

#### **Description :**

The unit allows the study of this cycle and particularly the influence of the temperature of the body to be cooled. Moreover it is possible to evaluate the cycle performances, hence the heat exchange when the body temperature changes. The Computerized Low Temperature Refrigeration Study Unit is an extremely easy-to use and functional unit able to permit the study of a low temperature refrigerating cycle through a simple compression refrigerating cycle. Moreover, the transducers and the dedicated software allows the data acquisition of the main thermodynamic quantities and to obtain or as a table or as a graph, the acquired values and the thermodynamic calculated quantities. A front panel with mimic diagram and instrumentation allows to keep the most significant thermodynamic quantities under control, so facilitating the students understanding and the teachers task. The unit is supplied with a manual which describes the components, the installation and utilization procedures as well as many exercises with experimental results.

#### **Technical Specification :**

##### **Technical Features:**

Compressor power 470W

PC, Hard Disk available space 3 GB min., RAM 4 GB, CD/DVD, USB port.

Microsoft Operating system.

Stainless steel calorimeter capacity 30l

Services required:

Electric supply: 220 V mono phase, 50/60 Hz

Graphic printer.

Weight and dimensions of Computerized Low Temperature Refrigeration Study Unit

Dimensions: 600 x 600 x 1650 h mm

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Net Weight: 120 Kg.



**Laboratory Instrument India**